

**ABSTRACT**

System for enhancing the hearing of certain sounds, the system including an electro-acoustic transducer for producing sounds in the vicinity of an ear, according to signals provided thereto, and a  
5 compensatory signal generator coupled with the electro-acoustic transducer, the compensatory signal generator producing a compensatory signal, according to at least a portion of a compensatory waveform, the compensatory waveform being determined according to ear otoacoustic emissions, the compensatory signal being employed to enhance the  
10 hearing, the compensatory signal generator providing the compensatory signal to the electro-acoustic transducer.